

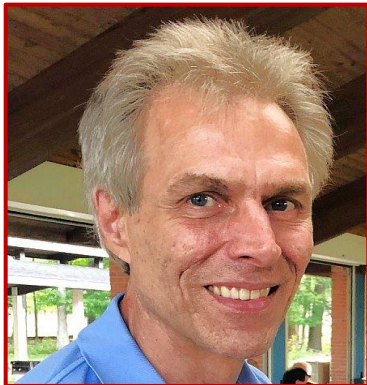
The Wobbly Oscillator



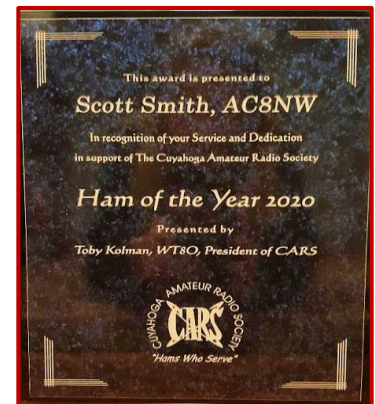
Cuyahoga Amateur Radio Society
January 2021 Volume 51 Number 1



Happy New Year



Scott Smith, AC8NW **Ham Of The Year**



This year the HOTY plaque goes to a very deserving CARS member, Scott Smith, AC8NW. Every year the decision is tough, there are always several members who have made outstanding contributions to the club, and this year is no exception. Scott has been strongly considered the past few years, now this is his year.

As head of the CARS Technical Committee, Scott spearheaded the development of what is arguably the best repeater system in the area. Besides the main repeater site in Brecksville, we have linked 2 meter receivers in Brunswick and Shaker Heights; giving us such excellent coverage other groups have used our repeater for public service events. Additionally, the repeater will simultaneously take digital signals on 70 cm using the Fusion system, EchoLink, and ALLSTAR. These capabilities show up every Wednesday when we have check-ins locally and from various parts of the country on the CARS weekly net. Scott modestly gives the credit to the members of the team who all made valuable contributions to the effort, but the overall success of the project boiled down to Scott's leadership and coordinating abilities. He was always present when any work was done.

Scott is familiar with the CARS members as one of the net controllers. He seldom misses a meeting, which many don't realize the difficulty for him to do so considering the demands of his job and the distance his QTH is from most meeting locations. On top of that, he picked up the responsibility of bringing the audio-visual equipment when the need arose.

Scott is a main contributor to Field Day. Not only is he on the FD committee, he provides the tent and a good amount of the equipment for our station. He is one of the few that get there early for the set-up and stay to the bitter end of the tear down and clean up. He spends long hours at the mike during the night or day, and is more than willing to help anyone who needs a little guidance.

Not only does Scott support the Hamvention bus as a rider, but he sets up the trip with the bus company and his connection through his brother, who works for the company, gets us a much lower rate than other bus lines to the point that it makes the trip feasible. If it wasn't for Scott, it is very unlikely we would have a bus going to the Hamvention.

Scott is always there to help out with the Seven Hills Memorial Day Parade. His work ethic and style gets him doing more than just communicating on the radio. He places and pounds in the dozens of sign posts the participating groups use to assemble in the order they will march in the parade, and all the time doing so helps individuals find their position. Naturally, he sweeps the area and gathers the signs after the marchers leave.

That's the kind of guy Scott is. Some people let things happen, some people make things happen. For this reason, the items above, and whatever I've left out, it gives me great pleasure and pride to name Scott, AC8NW, Ham Of The Year.

73, Toby, WT8O

Next CARS Meeting

Tuesday, January 12 - 7:30 PM

My Friends Resturant

11616 Detroit Rd.

Dinner at 6:00 pm

Also on Zoom

Guest Speaker

Mat Nickoson, KC8NZJ

Cuyahoga County ARES EC

Welcome

New

Member

Gary

Abramowski

KE8PZJ

From The Prez

January Dinner and Zoom Meeting

This month we will again be meeting at My Friends Restaurant located in Cleveland at 11616 Detroit Rd., just east of 117th St. We will also conduct the meeting simultaneously on Zoom, so those members who are unable, or choose not to attend in person can be part of the meeting via Zoom. Our dinner reservations are for 6:00 PM giving us plenty of time to eat before the meeting starts at the usual time of 7:30.

We have invited Mat Nickoson, KC8NZJ, the Cuyahoga County ARES Emergency Coordinator to speak at the meeting.

As of this writing the details are being worked out by Ron, K8RJH, and Eddie, KD8FTS, and will be made available on the CARS website and on the nets.

We always emphasize that dinner is optional. If you just want to attend the meeting-that's fine. Come any time after six o'clock and partake in conversation with other members, and perhaps order a beverage or an appetizer. Please don't miss the meeting if you don't wish to order a meal.

Suggestions

In the last issue we mentioned the request to suggestions for improving the club. We can always improve. Please recommend anything you would like to see that would make our club better or more desirable. Any feedback would be welcomed and appreciated. We will bring this up as an agenda item at every meeting going forward. You can also offer your ideas on the nets or contacting me directly. This is your club - make it what you want it to be.

Net Controller

Our plea for a new net controller in the November issue was answered; Mark, KC8ESG, stepped up and said he would like to give it a try. The "try" resulted in Mark deciding to join the rotation as a Net Control Station. The process went so well, let's extend the invitation and hopefully add another NCS. Everyone that has taken the plunge to try has succeeded and signed on as a net controller. A lot of members check in to almost every net. I may approach those that do and see if we can get one more.

73, Toby, WT8O

January Net Shed

JAN	6	WT8O
JAN	13	K8RJH
JAN	20	N8OWS
JAN	27	AC8MW

**Nets are run every
Wednesday at 9:00 PM on:**

146.820 (PL 110.9)

443.825 (+) PL Tone 131.8

Digital Yaesu Fusion

Linked to 146.82 Repeater

EchoLink Node 343470 (K8ZFR-R)

Allstar Node 47067

**Minutes of the
CUYAHOGA AMATEUR RADIO SOCIETY
November 10, 2020 (Tuesday)**

LOCATION---The meeting was held at My Friends Restaurant, at 11616 Detroit Avenue in Cleveland.

CALLED TO ORDER---The meeting was called to order by Vice-President Mark Moro, WJ8WM, at 7:30 P.M.

PLEDGE OF ALLEGIANCE---Those present pledge allegiance to a vertical flag of the United States of America.

INTRODUCTIONS---Those present introduced themselves.

OCTOBER MINUTES---The October minutes were approved as published in the Wobble Oscillator.

TREASURER'S REPORT---Assistant treasurer Bob Robbins, K8RGI, reported that there were no new outstanding financial transactions in the past thirty days.

NEW BUSINESS---Vice President Mark Moro, WJ8WM, reported that Toby Kolman, WT8O, who was not present at the meeting, was withdrawing from the nomination for the office of President of the Cuyahoga Amateur Radio Society.

NEW MEMBER---A new member, James Borawski, KE8BIY, was voted into the club.

PUBLIC SERVICE---Eddie Stevens, KD8FTS, reported that there were no new public service events scheduled in the area at this time.

OFFICERS AND BOARD MEMBERS---A motion was made to reinstate all officers and board members for a one-year term, with the exception of Toby Kolman, WT8O, who declined the nomination. The motion passed.

TECHNICAL COMMITTEE---Scott Smith, AC8NW, reported that the Technical Committee had nothing new to report at this time.

FIFTY DOLLAR LICENSE FEE---There was considerable discussion about the FCC proposed fifty-dollar fee for new Amateur Radio licenses and license renewals. The club did not take an official position on the matter.

REFRESHMENT COMMITTEE---Vice-President Mark Moro, WJ8WM, thanked the refreshment committee for their services, although their services were not needed at this meeting since we met at a restaurant.

50/50 DRAWING---The 50/ 50 drawing was won by Bruno Sufka, W8BJS. The amount was \$21.00.

ADJOURNMENT---The meeting was adjourned at 8:10 P.M.

Ed Stevens, WB8ROK, Secretary



Vice President, Mark Moro, WJ8WM, presides over the group at My Friends Restaurant.

Ron Borkey, K8VJG, SK
Toby, WT8O

With great sadness we must report Ron Borkey, K8VJG, became a Silent Key in December. The sadness will be ours, we will all miss Ron. He was a truly great guy. He was a ham's ham. He was always willing to help fellow hams. No one who knew Ron could deny he had one great sense of humor; he was one of the funniest people I have ever known. Although we are sad for our loss, we can take solace knowing Ron was a man of devout faith, and as his daughter told me he was comfortable knowing it was his time and he would soon be reunited with his beloved wife and late son.

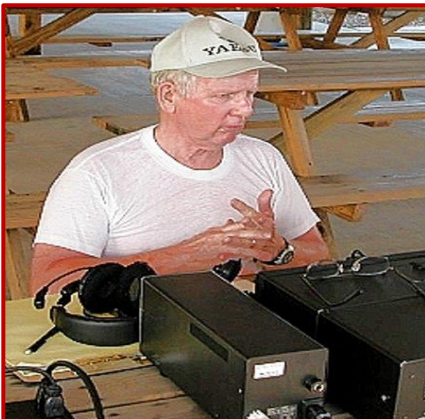
I first met Ron before I was a ham. I was taking the CARS Technician class, and Ron was there. He wasn't one of the instructors; he came to visit the class as an interested member of CARS. He was showing everyone his copy of the new ARRL Handbook. We started to talk and he said "You're pretty old to get started in the hobby." Being the sensitive type, I was taken back a bit. But in the next few minutes I realized it was Ron's way of saying "Welcome to the Amateur Radio Service." In that short time I also learned Ron had served in the Navy, retired from Ford as an electrician at the Cleveland plant, lived in North Royalton, and really enjoyed operating HF from his car. He invited me over to see his station. I wasn't doing well in the class. I missed the first two sessions, dozed off occasionally in the ones I did attend, and didn't study due to the demands of my job. After seeing Ron's tower and antenna, his collection of radios and other equipment, awards that covered the walls of his shack, and hearing him make a contact in India like it was nothing; I buckled down, studied, and aced my Technician exam. I thank Ron for his inspiration.

I could go on and on with personal experiences with Ron, but there is not room here and it my bore most of the readers. Being the sensitive type it's not easy to recount anymore, and I don't want to short out my keyboard.

It must be pointed out that some years ago Ron's life was saved and lengthened because of CARS. Ron was participating as a VE in a Sunday session in Independence. Suddenly, he passed out and hit the floor. Everyone panicked except Steve Riley, N8IS. Steve administered CPR. The paramedics arrived and Ron was still unconscious, he registered no heartbeat, but Steve didn't quit. They loaded him up and it didn't look good. Later we learned Ron was alive and kicking. The report was Steve's heroic efforts saved Ron's life.

Ron was not only a CARS member, but a member of several other local clubs, and a lifetime member of the ARRL. His achievements were many: he was #1 DXCC on the Honor roll with a total of 346 countries all time mixed (CW, Phone), on phone he had all 340 current countries, and he was very proud of his mobile total of 230 countries. He definitely was an accomplished Amateur.

By this time Ron is probably pretty well situated in his new QTH. He has been reunited with his loved ones, and I'd bet any money he's already figured out how to do CW on a harp.



*Ron at the mike
operating early
Sunday morning
at Field Day.*



*Ron always showed
up at the CARS
Christmas parties
dressed to the nines.*

A Checklist of 21 Amateur Radio Activities to Consider for 2021

Ron, K8RJH

This is a great time of the year to reflect on how we have used our Amateur Radio privileges over the past few months and what we can individually do to expand our Ham skills easily into the next year.

For assisting any recently licensed Amateurs, to the experienced Radio Club Members, who are looking for that “next step” in developing their Amateur Service for 2021, please consider my checklist of 21 practical Ham activities for next year.

Check this out to see what may interest you.

1. Join and participate in a radio club committee
2. Join the ARRL, Check out the On-Line Training Courses
3. Subscribe to Amateur Radio mailing lists, blogs, and podcasts
4. Find an Elmer, Learn the lingo
5. Attend a Hamfest or Visit/Support a Radio Store
6. Buy a radio, new or used
7. Get on the air, check in some local nets
8. Buy some tools, learn to solder, bend metal, or 3D print
9. Set up or Upgrade a shack with emergency power
10. Buy a digital multimeter (DMM) or even an antenna analyzer
11. Construct a DIY antenna
12. Build a kit, Make a cable, or Assemble a “Go-Box”
13. Upgrade to General, or Extra, and/or ICS Certifications
14. Participate in Field Day
15. Learn and improve your Morse Code skill
16. Try a new Digital Mode – Fusion, MMDVM Hotspot, Packet, Echolink, Winlink, FLDigi, WSPR, etc...
17. Meet and Network with your (Ham) neighbors
18. Join and support SkyWarn, ARES, or RACES
19. Participate in a Contest or Public Service Event
20. Be a Net Control Operator
21. And Best of all, ... HAVE FUN!

Your personal list may be different. If you are doing at least one of these checklist activities, then you are on to a good start for next year growing our Amateur Radio Service.

**Minutes of the
CUYAHOGA AMATEUR RADIO SOCIETY
Board Meeting
December 8, 2020**

MEETING LOCATION---Because of the coronavirus the Cuyahoga Amateur Radio Society held its November 2020 Board Meeting via Zoom.

CALLED TO ORDER---The meeting was called to order by Board President Andy, KD8SCV at 7:30 PM.

ATTENDEES---The following members were in attendance:

Bob Check, W8GC; Toby Kolman, WT8O; Terry Pillatt, KB8DTC; Mark Moro, WJ8WM;
Ron Hollas, K8RJH; Andy Evridge, KD8SCV; Mike Kemmett, KD8OUE;
Ed Stevens, WB8ROK; Arp Viiberg, K8ARP.

OPENING COMMENTS---Andy's term on the board and as chairman ends in 2020. He thanked fellow board members for their guidance and assistance.

RON BORKEY SR., K8VJG---Andy requested a moment of silence for CARS member Ron Borkey Sr., K8VJG, who became a Silent Key on December 5, 2020. A sympathy card is on its way to his family. Toby WT8O, stated that services would be private and for the family only.

SPECIAL ELECTION FOR CLUB PRESIDENT---At the November board meeting, Toby agreed to serve as interim president until a special election could be held. Subsequently, he has reconsidered his decision not to run for a full term and has submitted a renomination to run. Toby stated that another member, not named, also wishes to submit his nomination to run for president. At the time this unnamed member indicated his interest, he full term. Toby called him to inform him and this club member still wants to submit his nomination.

FUTURE MEETINGS---Mike, KD8OUE, agreed with the need to hold a meeting, but not in-person until COVID-19 subsides. He suggested that we plan for alternate meeting mode, such as on-the-air, ZOOM, or other remote-capable service. Also, Mike did not see the need to rush the election. Toby is currently president and becomes interim president in 2021. Bob, W8GC, agreed that there is no hurry and questioned ZOOM's possible limitations.

January Birthdays

James Borawski, KESBIY	1/5/68
Jane Reed, KSJGR	1/11
Gary Schmid, WASGCR	1/11/47
Jody Shankland, KESJVA	1/14/70
Matt Webb, WSEBB	1/14/84
Fred Doob, KSPP	1/15
Adam Goler, KM6PHD	1/19/87
Mike Toth, KB8RKF	1/27/50
Carl Beduhn, KSAV	1/30/38

Bob suggested an e-mail tool such as Survey Monkey be used because it offers a secure channel. Mark, WJ8WM, also agreed that there is no need to rush the election. He expressed a desire to see a greater cross-section of member involvement, regardless of the way a meeting is held. Terry, KB8DTC, asked if the club constitution contains any requirement on number of members needed in attendance to vote (only a plurality of those present at an election is required). Toby, WT8O, agreed that there is no rush to hold an election and he reaffirmed his decision to serve as interim president and run for another full term. Andy, KD8SCV, made a motion to affirm Toby, WT8O, as interim president until such time as a special election can be held in 2021. Terry, KB8DTC, seconded and the motion. The motion passed unanimously.

VE TESTING---At the November board meeting, Bob W8GC, proposed suspending in-person VE testing in Westlake. The board took no action at the time pending further investigation by Bob. He has since followed up with VE testing coordinator Metro, W8MET, for an update. Although Metro is not happy with the location, he did report to Bob that the club gained a new member and that interest in the VE tests remains high (CARS is one of the few or only clubs in the area still holding in-person VE sessions.) After brief discussion, Andy, KD8SCV, made a motion to continue VE in-person testing at the Westlake location until such time as the process can return to its traditional home bases of Independence/Seven Hills when they reopen. Bob, W8GC, seconded the motion and it was put to a vote. The motion passed unanimously. Bob, W8GC, offered interesting information on a key fact of the club's current membership. Of the club's 120 members, 54 hold Extra Class, 23 hold General Class, and 43 hold Technician Class licenses. Bob feels that the license upgrade classes the club holds are a prime contributor to this demographic profile. He mentioned that in the early days of the club, only a few members, perhaps five or so, held the highest classification.

CONSTITUTION AND BY-LAWS---Toby, WT8O, reminded the board of the constitution's major revision in 2014. More recently, in conversation with ARRL, Toby shared and Bob, concurred, that CARS does not need *both* a constitution and by-laws. Simplifying to a set of by-laws would resolve the many ambiguities present in the current documents, and it would allow the club to more easily update its foundational documents in response to social and technological changes. Toby concluded that he would need to assemble a group to begin working on the task.

BOARD CHAIRMAN---Bob, W8GC, asked back-up chairman Mike, KD8OUE, to schedule a board meeting in January 2021, via ZOOM, for the purposes of electing a new chairman since Andy's, KD8SCV, term on the board expires at the end of 2020.

ADJOURNMENT---With no other business, Andy, KD8SCV, called to adjourn the meeting at 8:01 PM.
Minutes submitted by Andy, KD8SCV
Minutes amended by Ed Stevens, WB8ROK

CARS Repeaters

146.820 (-) PL Tone 110.9

Main Site – Brecksville

Receive Only Site – Brunswick

Receive Only Site – Shaker Hts.

Allstar Node 47067

EchoLink Node 343470 (K8ZFR-R)

443.825 (+) PL Tone 131.8

Digital Yaesu Fusion

Linked to 146.82 Repeater

Brecksville

444.75 (+) Receive PL Tone 131.8

449.75 Transmit

Stand-alone Not Linked

Shaker Hts.



The January 2021 Cuyahoga County ARES group meeting is scheduled for Sunday, January 3, 2021 at 2 PM (14:00 Local) via Zoom.

ARES Meetings are open to all. You do not have to be a member of ARES to participate. Non-ARES members can obtain the Zoom link by emailing info@n8esg.org (or can just show up to any in-person meeting as they are scheduled.)

Please note, the Cuyahoga County ARES January, February, and March 2021 meetings are all scheduled to be virtual events.

If the COVID situation has begun to subside, in-person meetings are expected to resume in April 2021 (subject to change). As a courtesy, all Cuyahoga ARES meetings and updates are available on the Cuyahoga County ARES “Event Calendar” at <https://n8esg.org/>

For more information about Cuyahoga County ARES and membership is available at <https://n8esg.org/> under “ARES”.

VE Session

The CARS November VE session brought three new hams into the Amateur Radio Service by passing their Technician exams. There were also three hams who upgraded to General, and one who upgraded to Amateur Extra. Congratulations to all.

Special thanks to our outstanding VE team, capably led by Metro, W8MET, and consisting of Gary, NI8Z; Roger, N8TCP; Larry, N8OWS; George, K8KR; Linda, N8LRS; Kirk, W0KM, and Pam, KB0PM.

The next VE testing session will be held Sunday, January 10th, at 9:00 AM at the Masonic Lodge, 29500 Center Ridge Rd., Westlake, Ohio 44145. For information or an appointment please contact Metro, W8MET, at 216-520-1320 or metro351@sbcglobal.net. As always, walk-ins are welcome.

Club Dues Notice
Bob, W8GC

Thank you all who have already paid you CARS dues for 2021.

Dues can be paid in 3 ways, online by sending the funds via PayPal to w8gc@2cars.org PLEASE USE PERSONAL OPTION, you can also mail a check to:

CARS,
7395 Brecksville Rd.
Independence, OH 44131

or pay in person at any CARS meeting. Dues are \$26.00 per year for regular membership. Each additional family member is \$16.00. **If you are 60 yrs or older your dues are only \$18.00 per year.** CARS will offer assistance to anyone having a hardship. Please let me know if you have a hardship or know a member who needs help.

73, Bob, W8GC
216-524-1750

Dear Friends Of Universal Radio

Time waits for no one, and that includes Barbara and myself. We have decided to retire and our current location in Worthington will close on November 30, 2020. Even though the store is closing we will fulfill all existing customer orders and have a large amount of inventory to close-out. The Universal Radio website will be maintained for the foreseeable future to sell this remaining stock, publications and some select products. Unfortunately the lack of a store front showroom will preclude us from carrying some manufacturers products. I am very fortunate to have been in the radio business for over 50 years, 13 at Radio Shack and 37 at Universal Radio. We have met many wonderful people along the journey who have supported me personally as well as Universal Radio. It has been a privilege to have a continuous career in the fascinating field of radio since 1969. Please accept our sincere Thank You for your support of Universal Radio for these many years, and for the months to come. Our new address for correspondence and mail order is below. This is not a store front. Thank you. 73, Fred Osterman N8EKU

Universal Radio Inc. 752 N. State St. Unit 222 Westerville, OH 43082 Phone: 614 866-4267

[Submitted by Bob Check, W8GC]

Honorary Members

Any person who by nature of
outstanding or meritorious contribution
to the furtherance of amateur radio and
the ideals of the Cuyahoga Amateur
Radio Society

Robert Check, W8GC
Elected 2/10/15

Thomas Wayne, WB8N
Elected 1/10/17

Dwaine Modock, K8ME, SK
Elected 5/9/17

Toby Kolman, WT8O
Elected 10/10/17

Jerry Smith, NW9H
Elected 5/8/18

Ron Borkey, K8VJG, SK
Elected 5/14/19

Radiosport

Contests

Jan. 2, 1800 – 2359 **ARRL Kids Day** 3.5-14, 18, 21, 24, 28, 2 repeaters Ph www.arrl.org/kids-day
Exchange: Name, age, QTH, favorite color

Jan. 2, 1800 – Jan. 3, 2359 **ARRL RTTY Roundup** 3.5 – 28 Dig www.arrl.org/rtty-roundup
Exchange: W/VE: RST, state/province. Non-W/VE: RST, serial

Jan. 29, 2200 – Jan. 31, 2200 **CQ 160-Meter Contest, CW** 1.8 CW www.cq160.com
Exchange: RST, SP or CQ zone

Jan. 30, 1900 – Jan. 31, 1900 **Winter Field Day** All bands All modes (No FT4/8) winterfieldday.com
Exchange: Category, ARRL section (or "DX")

Special Events Stations

Jan. 2, - Jan. 31, 0000 – 2359 **K3Y** Ellicott City, MD **15th Annual Straight Key Month**
21.050 14.050 7.055 3.550 Certificate & QSL www.skccgroup.com/k3y

Jan. 8, - Jan. 9, 1800 – 0000 **W5IR** Metairie, LA **206th Anniversary of the Battle of New Orleans**
18.145 14.275 7.270 FT8 on the usual frequencies www.qrz.com/db/w5ir

Jan. 15, Feb. 15, 0000 -2359 **KL7RST** & various other stations **Alaska "RST" QSO Party**
28.450 21.350 14.250 7.250 Certificate & QSL www.qrz.com/db/k7ice

QSO Parties

Jan. 9, 1800 - Jan. 10, 0559 **North American QSO Party, CW** 1.8-28 CW www.ncjweb.com
Exchange: Name, state/DC/province/country

Jan. 16, 1800 - Jan. 17, 0559 **North American QSO Party, SSB** 1.8-28 Ph www.ncjweb.com
Exchange: Name, state/DC/province/country

Sampling from January, 2021 QST - Pg. 75 and 81. See QST for many more events.
All times in GMT ZULU time

The *Wobbly Oscillator* is a publication of the Cuyahoga Amateur Radio Society, P.O. Box 31264, Independence, Ohio, 44131-0264. Articles from this publication may be reprinted in any ham radio publication, provided that credit is given to this publication and the author, if known. All submissions should be emailed to: wt8o@att.net by the end of the month for publication in the next month's issue.

CARS 2021 Officers & Committees

Audit

WJ8WM ** WT8O, KD8OUE

Audio/Video

AC8NW **

ARRL Liaison

WJ8WM **

Awards

W8GC ** WT8O

Christmas party & Summer Picnic

WJ8WM **, K8ARP

Club Photographer

N8OWS **

Field Day

K8RGI **, WJ8WM, K8ARP, KD8SCV, AC8NW, AC8TN, WT8O, K8RJH, N8BBB food

50/50

KD8SCV

Hamvention Bus

KD8FTS **

License classes

KD8ACO **, WT8O, K8SHB

Media Representative

KD8SCV

Membership

WT8O ** W8GC

NET

WT8O **

Newsletter

WT8O ** 440-525-6109

wt8o@att.net

Programs at Meetings

KD8BAL ** KD8FTS, KE8OZU

Property Custodian's

KB8DTC records, W8GC equipment

Public Services

K8RJH **

QSL Manager - W8HBI, W8BM

WB8N **

Refreshments at Meetings & Picnic

K8RJH ** pop, NW8X ** Donuts

Scholarship

W8GC ** WJ8WM, K8RGI, WB8ROK, WT8O

Sunshine (welfare)

Andy, KD8SCV ** 440-886-0723

Technical

AC8NW ** N8OVW, WJ8WM, KD8ACO, K8RJH, K8MD, KB8DTC

VE Exams

Metro, W8MET ** 216-520-1320

Web Master/e-mail

W8GC **

** chairman or co-chairman

2021 Officers

PRESIDENT

Toby Kolman WT8O 440-525-6109

wt8o@att.net

VICE-PRESIDENT

Mark Moro, WJ8WM 216-661-0342

SECRETARY

Ed Stevens, WB8ROK 216-267-5473

Alternate Secretary: KE8OZU

TREASURER:

Bob Check W8GC 216-524-1750

Alternate Treasurer: Bob Robbins, K8RGI

Board Members & License Trustees

Board Chairman

Alternate Chairman: Mike Kemmett, KD8OUE

even year executive board 2 year term

K8SHB, KB8DTC, KD8OUE

odd year executive board 2 year term

K8RGI, K8ARP, K8RJH

License trustee

K8ZFR

WT8O

License trustee

W8HBI, W8BM,

W8GC



December 31, 2020

